

Central Air Sterilizing Purifier

This central air sterilizing purifier effectively purifies particles such as bacteria and viruses. Connecting with central air conditioning, it is suitable for use in hospitals and can sterilize air with a high sterilization rate.



ADDITIONAL IMAGES



Overview

AAVF 2000
Central Air-Conditioning Sterilizing Purifier - 2000m³/h

AAVF 2000 is a high-capacity air purification system designed for integration with central air conditioning to provide medical-grade sterilization across spaces up to 800j. Utilizing patented IonJet technology, it effectively eliminates particles as small as 0.001um, including bacteria and viruses, with a sterilization rate of 99.99%. Engineered for long-term reliability, the unit features a 20-year auto self-cleaning system and filter-free operation to ensure low maintenance costs and consistent performance.

Versatile installation options including engine room and rooftop configurations for large-scale air purification.

Advanced Central Air Sterilization

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Performance Metrics

Performance Highlights

2000 m³/h
Air Flow Capacity

99.99 %
Sterilization Rate

0.001 um
Min Particle Size

Technical Specifications

Purification Technology	IonJet Ionization & Water Mist Purification
Cleaning Efficiency	> 99% for particles $\leq 0.0025\mu$
Recommended Cleaning Area	400-800 m ²
Max Noise Level	50 dB(A)
Pressure Drop	113 Pa (250 Pa with ACF)

Electrical & Physical

Power Consumption	Max 0.6 kW (1 kW in cold climates below +5°C)
Operating Voltage	380-400 V, 50 Hz, 3-level AC
Dimensions (W x D x H)	1314 x 794 x 2378 mm
Unit Weight	300 kg
Operating Temperature	-15°C to +45°C

Control & Automation



Detailed view of the IonJet chamber components and the Siemens-powered automation web interface.

Control System

- Siemens PLC Automation
- Touch-display panel
- Web-based remote monitoring
- Smartphone/Desktop status tracking
- 8-view system state monitoring
- Programmable self-cleaning times

Compliance & Construction

Maintenance Features

Filter-Free • Non-Clogging • Auto Self-Cleaning • 24/7 Operation

Housing Material	Stainless Steel
Certifications	CE, CB Scheme, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3, IEC 61000-6-4, SGS, Intertek